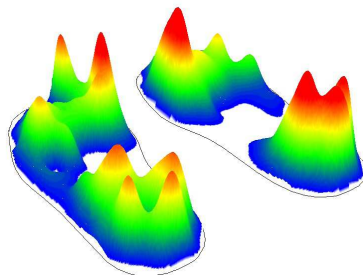




# T&T Medilogic Medizintechnik GmbH

## Wireless Foot Pressure Measuring System

The **Wireless Medilogic®** foot pressure measuring system offers recording of the pressure load under the foot inside the shoe.



- **Wireless Transmission**
- **Real-time display of pressure values**
- **High Resolution of pressure load distribution**
- **Full color display - isobaric color or as 3D mountain**
- **Data Logging option**
- **Direct Synchronization with Noraxon's SEMG systems, the new Wireless SEMG.**
- **Easy to use**

Through its easily understandable design and the focus on the functions necessary for the practitioner the software eliminates the need for laborious and time consuming adjustment.

For applications in the field of:

- Orthopedic Shoe Manufacturer
- Neurology
- Occupational Medicine
- Traumatology
- Sports Medicine



**Gaitparameter Reading**

Patient data  
 Age [Years] 45.4    Body Height [ft in.] 5'11"    Weight [lb]

General Gait Parameters

	Is	Nom.
Speed [mph]	2.3	
Rel. Speed [1/s]	0.58	
Double Step Length [yd]	1.66 >>>	1.28
Rel. Double Step Length	0.84 >>>	0.67
Double Step Duration [s]	1.45 >>>	1.18
Two Leg Stance [%DSD]	23.5 >	22.7

Scatter of single steps (rel. standard deviation [%])

	Is	Nom.
Double Step Duration	31.2 >>>	3.1

	Left		Right	
	Is	Nom.	Is	Nom.
Stancephase Duration [%DSD]	61.5 >>>	61.7	62.0 >>>	61.7
Effective Foot Length [%]	0.0 <<<	69.7	0.0 <<<	69.7
Width of Gait Line [%]	5.8 >	3.8	4.7 >	3.8

Load

	Left		Right	
	Is	Nom.	Is	Nom.
Forefoot [psi's]	6.06 >>>	3.63	8.48 >	3.63
Midfoot [psi's]	4.20 >	2.18	5.15 >>>	2.18
Heel [psi's]	4.78 >>>	5.95	6.33 >	5.95
Lateral [psi's]	5.58 >>>	4.06	7.86 >	4.06
Medial [psi's]	4.45 >>>	3.92	5.41 >>>	3.92
Overall [psi's]	5.05 >>>	4.06	6.71 >	4.06

Symmetry ((right-left) / (right+left)) \* 100%

	Is	Nom.
Stancephase Duration [%]	0.4 >>>	0.0
Effective Foot Length [%]		0.0
Forefoot Load [%]	16.6 >	0.0
Midfoot Load [%]	10.2 >	0.0
Heel Load [%]	13.9 >	0.0
Lateral Load [%]	16.9 >	0.0
Medial Load [%]	9.7 >>>	0.0
Overall Load [%]	14.1 >	0.0

Buttons: CSV-Export, Exit, Help

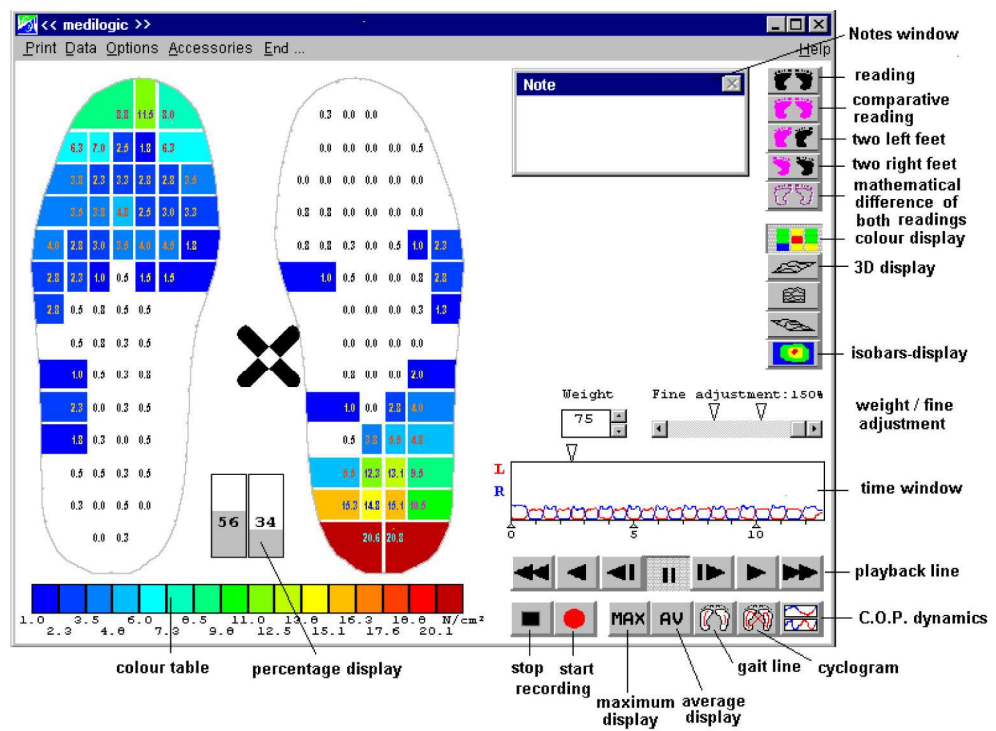
### Instant Wireless Results

The **Medilogic**® foot pressure measuring system offers recording of the pressure load under the foot inside the shoe. **Thin, flexible insoles**, with a high number of sensors, record the **plantar pressure distribution**. A **wireless** data modem, which is attached to the patient, sends the data to a modem at the computer.

The direct to PC wireless transmission provides instant display of the pressure values during the measurement without affecting the patient with a cable connection to the computer. The recording is started with a single touch of a button. The software is user friendly and allows for instant access to:

- Real-time graphical and numerical display of pressure values.
- Pressure distribution can be displayed as isobaric color display or as 3-D mountain
- Complete gait results
- Viewing in fast forward mode, at normal speed or in slow motion

Through its easily understandable design and the focus on the functions necessary for the user, the software eliminates the need for laborious and the time consuming adjustments.



### Specifications

- Insoles:** Max. 240 SSR sensors per insole (depending on size and shape) available standard sizes: 33-34, 35-36, 37-38, 39-40, 41-42, 43-44, 45-46, 47-48, 49-50
- Range of Measurement:**
- 0,6 to 64
- Sampling Rate:**
- 60 Hz (optional 50 Hz for video synchronization)
  - Max. 300 Hz for Sports Version
- Patient modem:**
- Weight: 180g
  - L x B x H: 93mm x 75mm x 38mm
  - Power supply: 9V standard battery
- Computer modem:**
- Weight: 150g
  - L x B x H: 93mm x 75mm x 28mm
  - USB computer interface
  - Power supply: over USB interface
  - Wireless Transmission: Carrier Frequency: 2,4 GHz
- Range: approx. 100m outside, approx. 25m inside buildings

### Cyclogram

The Cyclogram highlights deviations from gait symmetry in real-time. The center of gravity is recorded providing the illustrated gait line. Thus, allowing demonstration of roll-off for the left and right foot separately. Finally, light variations are more noticeable.

